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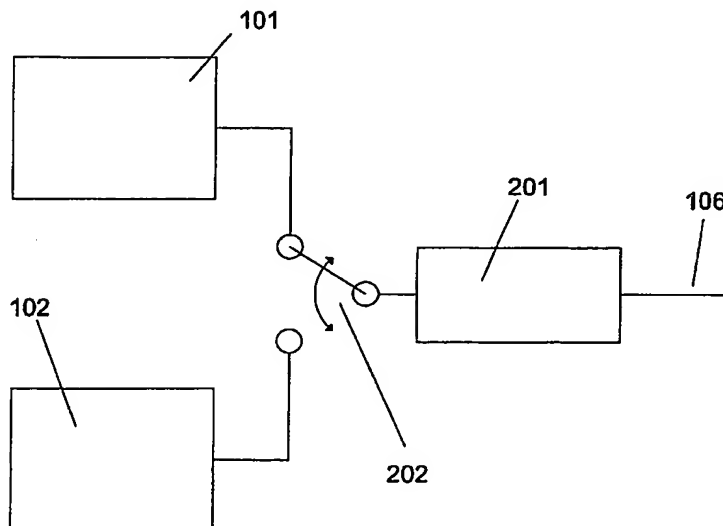
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(54) Title: **BI-DIRECTIONAL OPTOELECTRIC CONVERSION**



(57) Abstract: The present invention relates to an apparatus and to a method of optoelectrical conversion, comprising the steps of: providing a first electrical signal to an electrical directional element (202), using the electrical directional element (202) to direct the first electrical signal to an optoelectric converter (201), using the optoelectric converter (201) for converting the first electrical signal into an optical signal and providing the optical signal to a DUT (106), using the optoelectric converter (201) for receiving and converting a reflected optical signal reflected by the DUT (106) back into a second electrical signal, and using the electrical directional element (202) to direct the second electrical signal to a receiver (102).

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